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## We claim:

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1. An antigen composition comprising synthetic cardiolipin and synthetic lecithin.

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- 2. The antigen composition of Claim 1, further comprising cholesterol.
  - 3. The composition of Claim 2, wherein the concentration of cholesterol is approximately 0.9%
  - 4. The composition of Claim/2, further comprising an alcohol.

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- 5. The composition of Claim 1, wherein the concentration of cardiolipin is between approximately 0.02 and 0.04%.
- 6. The composition of Claim 5, wherein the concentration of cardiolipin is approximately 0.03%.

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- 7. The composition of Claim 1, wherein the concentration of lecithin is between approximately 0.11 and 0.16%.
- 8. The composition of Claim 7, wherein the concentration of lecithin is approximately 0.14%.

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- 9. The composition of Claim 1, wherein the cardiolipin is tetramyristoyl cardiolipin.
- 10. The composition of Claim 1, wherein the lecithin is 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine.
- 11. The composition of Claim 4, wherein the alcohol is ethanol.

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- 12. A method for detecting the presence of *Treponema pallidum* in a human comprising combining a biological sample from the human with a composition comprising synthetic cardiolipin and synthetic lecithin and detecting an immunocomplex formed between an antibody in the biological sample and the composition
- 13. The method of Claim 12, wherein the composition further comprises cholesterol and an algohol.
- 14. The method of Claim 13, wherein the concentration of cholesterol in the composition is approximately 0.9%.
- 15. The method of Claim 12, wherein the alcohol is ethanol.
- 16. The method of Claim 12, wherein the concentration of cardiolipin in the composition is between approximately 0.01 and 0.05%.
- 17. The method of Claim 12, wherein the concentration of lecithin in the composition is between approximately 0.11 and 0.16%.
- 18. The method of Claim 12, wherein the cardiolipin in the composition is tetramyristoyl cardiolipin.
- 19. The method of Claim 12, wherein the lecithin in the composition is 1-palmitoyl-2-oleoyl-s n-glycero-3-phosphocholine.
- 20. The method of Claim 12, wherein the detection of an immuno complex is a positive diagnosis of syphilis.

21. The method of Claim 12, wherein the immunocomplex is detected using a flocculation or agglutination test.